

U.S. PATENT AND TRADEMARK OFFICE
Information Products Division

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Manual of U.S. Patent Classification as of June 30, 2000

Class 607

SURGERY: LIGHT, THERMAL, AND ELECTRICAL APPLICATION

Class definitions may be accessed by clicking on the class title, above.

Subclass definitions may be accessed by clicking on the subclass number, below.

(please note that definitions for some classes and subclasses may not be available)

For search strategies, please refer to the [Classification Index Explanation of Data](#) web page.

[Simple Text Search Across All U.S. Patent Classes in the Manual of Classification](#) (requires a JAVA-enabled web browser)

Subclass Title

ClassTitle ==> SURGERY: LIGHT, THERMAL, AND ELECTRICAL APPLICATION

This Class 607 is considered to be an integral part of Class 128 (see the Class 128 schedule for the position of this Class in schedule hierarchy). This Class retains all pertinent definitions and class lines of Class 128.

LIGHT, THERMAL, AND ELECTRICAL APPLICATION

- . Electrical therapeutic systems
 - .. Combined with nonelectrical therapy
 - .. Combined cardioverting/defibrillating and pacing
 - .. Cardioverting/defibrillating
 - ... Sensing body condition or signal other than electrocardiographic signal
 - ... Controlling or indicating stimulation level
 - ... Computing energy required or contact impedance
 - ... Heart rate regulating (e.g., pacing)
 - ... With nonimplanted generator
 - .. Regulating or compensating stimulus level
 - .. Stimulation raised above energy source level

- 13 ... Reducing output recovery time
- 14 ... Treating or preventing abnormally high heart rate
- 15 Selecting plural stimulation patterns
- 16 Intermittent operation for energy conservation
- 17 Parameter control in response to sensed physiological load on heart
- 18 Plural sensed conditions
- 19 Physical activity
- 20 Respiratory movement
- 21 Body or blood temperature
- 22 Chemical substance in blood
- 23 Blood pressure
- 24 Stroke volume
- 25 Ventricular electrocardiographic intervals (e.g., Q-T interval)
- 26 Gradient or slope of electrocardiographic waves
- 27 ... Testing or monitoring pacer function
- 28 Measuring pacing, threshold, capture margin, or contact impedance
- 29 Testing condition of energy source
- 30 ... Remotely changing, (e.g., programming, pacer) parameters or operation
- 31 Assurance of security, accuracy, or completion of programming procedure
- 32 ... Communicating with pacer (e.g., telemetry)
- 33 ... Energy source external of generator or body
- 34 ... Alterable energy source configuration
- 35 ... Biological substance or activity powered energy source
- 36 ... Feature of stimulator housing or encapsulation
- 37 ... Feature of generator-applicator connection
- 38 Multiple position connector
- 39 .. Stimulating reproductive organ
- 40 .. Stimulating bladder or gastrointestinal tract
- 41 ... Incontinence control
- 42 .. Stimulating respiration function
- 43 .. Correcting spinal deformities
- 44 .. Hypertension treating
- 45 .. Treating mental or emotional disorder
- 46 .. Electrical treatment of pain
- 47 ... Dental analgesia
- 48 .. Directly or indirectly stimulating motor muscles
- 49 ... For walking assistance

subclass 136

- 50 . . Promoting tissue growth or healing
- 51 . . . Hard tissue (e.g., bone)
- 52 With monitoring or testing feature
- 53 . . Promoting optical function
- 54 . . Producing visual effects by stimulation
- 55 . . Promoting auditory function
- 56 . . . Producing aural effects by stimulation
- 57 By partially or wholly implanted device
- 58 . . Electrical stimulation for aversion and substance abuse therapy
- 59 . . Control signal storage (e.g., programming)
- 60 . . Telemetry or communications circuits
- 61 . . Energy source outside generator body
- 62 . . Output controlled by sensor responsive to body or interface condition
- 63 . . Promoting patient safety or comfort
- 64 . . . Constant level output
- 65 . . Signal generated by induction coil circuit
- 66 . . Generating more than one signal
- 67 . . . Applied for interferential effect in body
- 68 . . Generating complex signals
- 69 . . . With two oscillating signal components
- 70 . . . With two pulse signal components
- 71 . . . With one pulse and one oscillating signal component
- 72 . . Pulse signal
- 73 . . . Random or pseudorandom pulse pattern
- 74 . . . Bipolar pulses
- 75 . . . Galvanic (i.e., battery-like direct current signals)
- 76 . . . Oscillating signal
- 77 . . Exercising
- 78 . . . Push or pull
- 79 . . . Brush or comb
- 80 . . Light and fluid treatment
- 81 . . Baths or cabinets
- 82 . . . Shower or spray
- 83 . . . Vapor
- 84 For body member
- 85 . . . Liquid receiving tub
- 86 For body member